ATENT COOPERATION TREAT



PANICION I INTERNATIONAL PRELIMINARY REPORT ON PATERUABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Ann	licant's or agent's file reference	,								
1.pp.	027229	FOR FURTHER AC		See Form PCT/IPEA/416						
Inter	rnational application No.	International filing date	(day/month/year)	Priority date (day/month/year)						
	PCT/CN03/01025	01.Dec.2003		04.Dec.2002 (04.12.02)						
Inte	International Patent Classification (IPC) or national classification and IPC									
IPC ⁷ :C12N1/20;A01N63/00										
Applicant SHANGHAI ZEYUAN MARINE BIOTECHNOLOGY LTD et al.										
1.	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 									
2.	This REPORT consists of a total of	3	sheets, including t	his cover sheet.						
3.	This report is also accompanied by A	NNEXES, comprising:								
	a	o the International Bureau	a) a total of	sheets, as follows:						
	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.									
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4.	4. This report contains indications relating to the following items:									
	Box No. I Basis of the	report								
☐ Box No. II Priority										
	Box No. III Non-establish	nment of opinion with reg	ard to novelty, inventiv	e step and industrial applicability						
	Box No. IV Lack of unity									
	Box No. V Reasoned state	ement under Article 35(2)	with regard to novelty	, inventive step or industrial applicability;						
	citations and e	explanations supporting su	ich statement							
	☐ Box No. VI Certain docu	ments cited								
Box No. VII Certain defects in the international application			lication							
	Box No. VIII Certain obse	rvations on the internation	nal application							
Γ.	Data - Calla - adval - ac1-41	nunctional secuch	Date of mailing of t	the international search report						
Date of the actual completion of the international search 19.Jul.2004 (19.07.04)				Mar.2005 (01.03.05)						
Name and mailing address of the ISA/CNI		Authorized officer								
Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China				Wang Pengrei						
Facsimile No. 86-10-62019451			Telephone No. 86	-10-62085299						



International application No. PCT/CN03/01025

Bo	x No.	I I	Basis d	of the report						
1.	With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.									
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:									
		international search (under Rules 12.3 and 23.1(b))								
			publi	cation of the international application (under Rule 12.4)						
			intern	national preliminary examination (under Rules 55.2 and/or 55.3)						
2.	2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnito the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report):									
	\boxtimes			tional application as originally filed/furnished						
			descrip	tion:						
		pag	ges ges *	received by this Authority on	as originally filed/furnished					
		pag		received by this Authority on received by this Authority on						
			,							
			laims:							
		pag			as originally filed/furnished					
			ges * ges *	as amended (together with	th any statement)under Article 19					
			ges *	received by this Authority on						
		1	5							
			lrawing	gs:	•					
		pag	-	and the strict A set of the second	as originally filed/furnished					
		pag pag		received by this Authority on received by this Authority on						
		P	540	rootifed by undirection on						
		a seq	luence	listing and/or any related table(s) - see Supplemental Box Relating to Sequence I	Listing.					
	_									
3.	Ц	The	amen	dments have resulted in the cancellation of:						
			the	description, pages						
				claims, Nos.						
		닏		drawings, sheets/figs						
		L	tne	sequence listing (specify):						
			any	table(s) related to sequence listing (specify):						
4.	4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made,									
	since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).									
				description, pages						
				claims, Nos.						
				drawings, sheets/figs						
				sequence listing (specify):						
	* <i>If</i>			table(s) related to sequence listing (specify): es, some or all of those sheets may be marked "superseded."						
	y									

INTERNATIONAL PRELIDED ARY REPORT ON PATENTABILITY

International application No. PCT/CN03/01025

Bo	x No. V Reasoned statement under A	rticle 35(2)	with regard to novelty, inventive step or industrial applicabilit	fv•			
	citations and explanations s	upporting s	uch statement	-3,			
1.	Statement:						
	Novelty (N)	Claims	1-10	1000			
		•	1-10	_ YES			
		Claims		_ NO			
	Your time of gray						
	Inventive step (IS)	Claims	1-10	YES			
		Claims		NO			
		•		- 110			
	Industrial applicability (IA)	Claims	1-10	VICO			
		Claims		YES			
•		Ciainis -		NO			
2.	Citations and explanations (Rule 70.7) Reference is made to the	folloi	# 40 cm c				
	D1:CN1092397A SHENVAN	TOHOMIN	g documents: ED BIONOMIC INST CHINESE, (21.09.94)				
	D2:CN1125046A,XINJIANO	BIOLOG	GICAL SOIL DESERT INST CHI, (26.06.96)				
	DO: CN 101 4003W (0 1 BE-M)	ONIA BE	CLUNG (04 08 03)				
	D1 disclosed a polyhydr	ic biologi	ical organic and fertilizer comprises and in	natter			
	as also carrier for loading it	шсионаг	IIIICTOOTGanisms and various increases				
	The organic carrier is prov	vn coal c	or none meal The microgramies is seed to				
	poddsidin-bacteria or b	aosphori	IS-Dacteria The mixt commisse	nisms			
	(0 10), Organic Carrier (40	-oui and	Inorganic tertilizer (20_40)				
	separated and screened from	mposition	which mainly comprises PG6 microbial	flora			
			re soil of psammophyte. The said composition is use				
	D3 have disclosed a TG26	microbial :	preparation which containing Desiles and the	2000-			
	out rozo micropiai prepa	RATION COL	IIO raise the district of manda-size and it	sed for			
	restance and caring bacterial	wire official	or stalk rot.	Jou 101			
	1. Novelty (Article 33(2)P	CT)					
	The embodiment of claims 1-10 of the present invention are not the same as the prior art.						
	prior art.						
	Claims 1-10 are novel un 2. Inventive step (Article	22/2/PC/	Article 33(2).				
	The claims 1-10 of the p	resent in	uption alaimed a leis 1 C				
	uses and application metho	da Tha -	vention claimed a kind of microbial preparatio	n, its			
	its Back-extraction The as	us. The s	aid preparation contains Paenibacillus polymy	xa or			
	curing the plant bacterial	uu mit ond	bial preparation can be used for preventing	and			
	fusarium wilt of cucumber	Tomata f	seedling blight at the seedling stay, dampin	g-off,			
	and so on, it also has strong	growth	usarium wilt, tobacco brown spot, soybean roostimulatory activity for plant.	ot rot			
	These claims 1-10 have	inventive	e steps compared with the D1,D2 and D3. W	** * *			
	MORAGE LIGITOR DECELL LIGHT OPATOR	s to one o	OI Ordinary skilled in the art				
	Claims 1-10 of the presen	nt applica	ation have inventive stens under por Article 2	2(2)			
	Ournagerial applicability	IAITICIE	33(4)PCT)				
	Since the microbial preparation	aration	are very useful in preventing and assistant	plant			
	bacterial with all seedling blight at the seedling stay domning off fractions with						
	ododinoci, romato iusarium	ı wiit, tob	acco prown spot, sowhear root rot and as on				
	So claims 1-10 have utili	ty under	PCT Article 33(4).				